


[Back to list](#)

1-1/1 [Next page](#) From 1 - 1 Count

Display format ----- Select the type of output. -----

[Display checked documents](#)
[Check All](#)
[Uncheck All](#)
☐ \*\* Result [P ] \*\* Format(P801) 2005.04.02 1/ 1

Application no/date: 1998-342030[1998/12/ 1]  
 Date of request for examination: [2002/ 6/18]  
 Accelerated examination (2)  
 Public disclosure no/date: 2000-166634  Translate [2000/ 6/20]  
 Examined publication no/date (old law): [ ]  
 Registration no/date: [ ]  
 Examined publication date (present law): [ ]  
 PCT application no:  
 PCT publication no/date: [ ]  
 Applicant: OTA TATSUYA  
 Inventor: OTA TATSUYA  
 IPC: A45D 1/00 A45D 1/00 ,501 A45D 1/00 ,502  
A45D 1/00 ,503 A45D 1/00 ,509 A45D 1/04  
 FI: A45D 1/00 C A45D 1/00 ,501Z A45D 1/00 ,502E  
A45D 1/00 ,503A A45D 1/00 ,509Z A45D 1/04 C

F-Term:

Expanded classification: 303

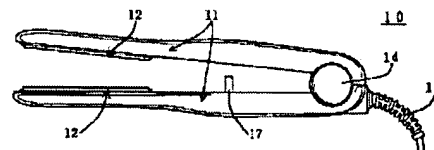
Fixed keyword: R005,R119

Citation:

[19,2003. 4. 9, ] ( ,JP,Unexamined Patent Publication,1997262121)  
 [19,2003. 4. 9, ] ( ,JP,Unexamined Patent Publication,1977110156)

Title of invention: HAIR IRON

Abstract: PROBLEM TO BE SOLVED: To provide a hair iron which shortens the application time, is neat in the finish after the application and hardly damages the hair.SOLUTION: The hair is moved at a prescribed speed between magnets 13 of which S poles are disposed to face each other after the application of a first liquid to the hair. Reduction energy is, therefore, generated from the S poles of the magnets 13 in which the electrons of the magnetic poles are rotated clockwise by Fleming's right-hand rule. As a result, the reduction effect of the first liquid is accelerated. A cuticle is closed to prevent the intrusion of UV rays into the hair. The clusters of the water of the first liquid are made smaller by the reduction energy and the penetrability of the first liquid into the hair is enhanced. Consequently, the reduction effect of the first liquid is further accelerated and the time required for the application which is liable to be accompanied by the damage of the hair may be shortened. Accordingly, the finish after the application is made neat and the hair may be made hardly damaged.COPYRIGHT: (C)2000,JPO

**BEST AVAILABLE COPY**


**HAIR IRON**

Patent Number: JP2000166634  
Publication date: 2000-06-20  
Inventor(s): OTA TATSUYA  
Applicant(s): OTA TATSUYA  
Requested Patent: ☐ JP2000166634  
Application Number: JP19980342030 19981201  
Priority Number(s):  
IPC Classification: A45D1/00; A45D1/04  
EC Classification:  
Equivalents:

---

**Abstract**

---

**PROBLEM TO BE SOLVED:** To provide a hair iron which shortens the application time, is neat in the finish after the application and hardly damages the hair.

**SOLUTION:** The hair is moved at a prescribed speed between magnets 13 of which S poles are disposed to face each other after the application of a first liquid to the hair. Reduction energy is, therefore, generated from the S poles of the magnets 13 in which the electrons of the magnetic poles are rotated clockwise by Fleming's right-hand rule. As a result, the reduction effect of the first liquid is accelerated. A cuticle is closed to prevent the intrusion of UV rays into the hair. The clusters of the water of the first liquid are made smaller by the reduction energy and the penetratability of the first liquid into the hair is enhanced. Consequently, the reduction effect of the first liquid is further accelerated and the time required for the application which is liable to be accompanied by the damage of the hair may be shortened. Accordingly, the finish after the application is made neat and the hair may be made hardly damaged.

---

Data supplied from the esp@cenet database - I2

**BEST AVAILABLE COPY**